

Abstract of the Disclosure

A perpendicular magnetic recording disk is provided. The perpendicular magnetic recording disk includes an underlayer between a substrate and a perpendicular magnetic recording layer for inducing perpendicular orientation of the perpendicular magnetic recording layer, the perpendicular magnetic recording layer having a thickness in the range where the ratio of perpendicular coercivity H_c to maximum perpendicular coercivity H_o decreases with reduced thickness of the perpendicular magnetic recording layer.